# **Special Issue**

# Atmospheric Impacts of Space Weather and Extreme Meteorological Events

Message from the Guest Editors

This Special Issue aims to bring together cutting-edge research on the atmospheric responses to space weather and extreme weather events. We welcome studies utilizing observational data, numerical modeling, and theoretical approaches to explore interactions between the Sun, Earth's atmosphere, and severe meteorological disturbances. Topics of interest include ionospheric disturbances, stratospheric and mesospheric changes due to solar forcing, atmospheric coupling mechanisms, and potential long-term climatic impacts. By advancing our understanding of these processes, we can enhance predictive capabilities and develop strategies to mitigate associated risks.

#### **Guest Editors**

Prof. Dr. Stelios M. Potirakis

Dr. Sudipta Sasmal

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#### Deadline for manuscript submissions

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## **About the Journal**

### Message from the Editor-in-Chief

Continued developments in instrumentation and modeling have driven atmospheric science to become increasingly more complex with a deeper understanding of concepts, mechanisms, and interactions. This is the field that innovation built and it has led to a better appreciation for the complexity with atmosphere. Human life is intertwined in this complexity as we strive to better understand our atmosphere. Climate change is constantly stretching the limits of our thinking and forcing new ideas and concepts to be played out. Welcome to the Anthropocene!

#### Editor-in-Chief

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